

SEQUENCE LISTING

<110> Sidney Pestka

<120> PHOSPHORYLATED PROTEINS AND USES RELATED THERETO

<130> PBLI-P01-007

<140>

<141>

<150> 60/208,240

<151> 2000-05-31

<150> 60/255,296

<151> 2000-12-13

<160> 46

<170> PatentIn Ver. 2.1

<210> 1

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated peptide

<400> 1

Arg Arg Ala Ser
1

<210> 2

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated peptide

<400> 2

Arg Arg Ala Ser Val
1 5

<210> 3

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated peptide

<400> 3

Arg Thr Lys Arg Ser Gly Ser Val
1 5

<210> 4

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 4

Arg Lys Arg Ser Arg Lys Glu
1 5

<210> 5

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 5

Leu Arg Arg Ala His Leu Gly
1 5

<210> 6

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 6

Ser Glu Glu Glu Glu Glu
1 5

<210> 7

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 7

Arg Arg Arg Glu Glu Glu Thr Glu Glu Glu
1 5 10

<210> 8

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 8

Arg Arg Arg Glu Glu Glu Ser Glu Glu Glu
1 5 10

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

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<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 9

Arg Arg Arg Asp Asp Asp Ser Asp Asp Asp
1 5 10

<210> 10

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<220>

<221> SITE

<222> (7)

<223> Xaa=Ser or Thr

<220>

<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 10

Ala Ala Ala Ala Ala Ala Xaa Glu Glu Glu
1 5 10

<210> 11

<211> 10

<212> PRT

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<221> SITE
<222> (7)
<223> Xaa=Ser or Thr

<220>
<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 11
Ala Ala Ala Glu Glu Glu Xaa Glu Glu Glu
1 5 10

<210> 12
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 12
Arg Arg Leu Ser Ser Leu Arg Ala
1 5

<210> 13
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: phosphorylated
peptide

<400> 13
Thr Glu Thr Ser Gln Val Ala Pro Ala
1 5

<210> 14
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 14
gtgaccgctg taccaacctc tgtcc

25

<210> 15
<211> 33
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 15

ccctcgagtc acttgcccgg ggacagggag agg

33

<210> 16

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 16

gcagcctcca ccaggcgccc atcggtc

27

<210> 17

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 17

gggcatgtgt gacgtctgtc acaagatttg

30

<210> 18

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 18

cctggggcctt cgccaaggat ttcttgcaag g

31

<210> 19

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 19
gtgtcagttg gccggagggt tactttgagc 30

<210> 20
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 20
cgggtgggcat gaggtagcgtc tggcacaaga ttg 34

<210> 21
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 21
cgggtgggcat gaggtagcgtc tggcacaaga ttg 34

<210> 22
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 22
cccctcgagc caccatggag tggcctggg tc 32

<210> 23
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 23
cccaagcttt ttggcgctgg agacggtagc cag 33

<210> 24
<211> 31
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 24

cctctagacc accatggata gccaggccca g

31

<210> 25

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 25

gccgcggccc gtggatcctt cagttccagc tt

32

<210> 26

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 26

gtgaccgctg taccaacctc tgtcc

25

<210> 27

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer

<400> 27

ccctcgagtc acttgcccgg ggacagggag agg

33

<210> 28

<211> 27

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<220>

<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 28

gcagcctcca ccaggcgccc atcggtc

27

<210> 29
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 29
gggcatgtgt gacgtctgtc acaagatttg 30

<210> 30
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 30
cctgggggctt cgcgaaggat ttcctgcaag g 31

<210> 31
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:
oligodeoxynucleotide

<400> 31
gtgtcagttg gccggagggt tactttgagc 30

<210> 32
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: K2 fragment

<400> 32
ccgggcagaa gggcaagtct gcatagaagg gcaagtatga aggca 45

<210> 33
<211> 45
<212> DNA
<213> Artificial Sequence

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<220>
<223> Description of Artificial Sequence: K2 fragment

<400> 33
ccggtgcctt catacttcgc cttctatgga ctcattgctcc tctgc

45

<210> 34
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: K2 fragment

<400> 34
Arg Arg Ala Ser Leu His Arg Arg Ala Ser Met Lys Ala
1 5 10

<210> 35
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb-chCC49
upper

<400> 35
Glu Pro Lys Ser Cys Asp Lys Thr His Thr
1 5 10

<210> 36
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb-chCC49
core

<400> 36
Cys Pro Pro Cys Pro
1 5

<210> 37
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb-chCC49
lower

<400> 37
Ala Pro Glu Leu Leu Gly Gly Pro
1 5

<210> 38
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb231 upper

<400> 38
Glu Pro Arg Gly Pro Thr Ile Lys Pro
1 5

<210> 39
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb231 core

<400> 39
Cys Pro Pro Cys Lys Cys Pro
1 5

<210> 40
<211> 8
<212> PRT
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<220>
<223> Description of Artificial Sequence: MAb231 lower

<400> 40
Ala Pro Asn Leu Leu Gly Gly Pro
1 5

<210> 41
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<220>
<223> Description of Artificial Sequence: MAb61.1.3
upper

<400> 41
Val Pro Arg Asp Cys Gly
1 5

<210> 42
<211> 7
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<220>
<223> Description of Artificial Sequence: MAb61.1.3 core

<400> 42
Cys Lys Pro Cys Ile Cys Thr
1 5

<210> 43
<211> 4
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb61.1.3
lower

<400> 43
Val Pro Glu Val
1

<210> 44
<211> 23
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb-chCC49

<400> 44
Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
1 5 10 15

Pro Glu Leu Leu Gly Gly Pro
20

<210> 45
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb231

<400> 45
Glu Pro Arg Gly Pro Thr Ile Lys Pro Cys Pro Pro Cys Lys Cys Pro
1 5 10 15

Ala Pro Asn Leu Leu Gly Gly Pro
20

<210> 46
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: MAb61.1.3

<400> 46
Val Pro Arg Asp Cys Gly Cys Lys Pro Cys Ile Cys Thr Val Pro Glu
1 5 10 15

Val